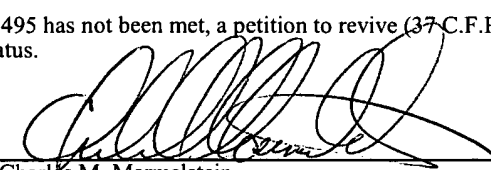


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| FORM PTO-1390<br>(REV 5-93)  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO.<br>101136-00130     |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371   |  | DATE: November 6, 2006                  |
| U.S. APPLN. NO. (IF KNOWN, SEE<br>37 C.F.R. 1.5) 10/591,905  |  | PRIORITY DATE CLAIMED<br>March 10, 2004 |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2005/004205   | INTERNATIONAL FILING DATE<br>March 10, 2005                | PRIORITY DATE CLAIMED<br>March 10, 2004 |
| TITLE OF INVENTION: SELF-CLEANING CATALYTIC CHEMICAL VAPOR DEPOSITION APPARATUS AND CLEANING METHOD THEROF   |  |   |
| APPLICANT(S) FOR DO/EO/US: Makiko KITAZOE (Chiba, Japan); Shuji OSONO (Chiba, Japan); Hiromi ITOH (Chiba, Japan); Kazuya SAITO (Chiba, Japan); Shin ASARI (Chiba, Japan)   |  |   |
| <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The U.S. has been elected (Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed [35 U.S.C. 371(c)(2)]             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application into English [35 U.S.C. 371(c)(2)].             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].</li> </ol> <p><b>Items 11 to 20 below concern other document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; and SB08a Form.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input type="checkbox"/> Other items or information: Drawings - Fig-- (-- sheets)</li> </ol> |  |   |

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| U.S. APPLN. NO. (IF KNOWN,<br>SEE 37 C.F.R. 1.50) 10/591,905   |              | INTERNATIONAL APPLICATION NO.<br>PCT/JP2005/004205                            |   | ATTORNEY DOCKET NO.<br>101136-00130 |              |
| The following fees are submitted:  |              |   |   | CALCULATIONS                        | PTO USE ONLY |
| 21. <input type="checkbox"/> Basic National Fee  |              | .....   | \$300.00  | \$                                  |              |
| 22. <input type="checkbox"/> Examination Fee<br>If International Preliminary Examination Report prepared by USPTO<br>and all claims satisfy provisions of PCT Article 33(1)-(4)  |              | .....   | \$100.00  | \$                                  |              |
| All other situations   |              | .....   | \$200.00  |                                     |              |
| 23. <input type="checkbox"/> Search Fee<br>Search Fee (37 CFR 1.445(a)(2)) has been paid on the International<br>Application to the USPTO as an International Searching Authority  |              | .....   | \$100.00  | \$                                  |              |
| International Search Report prepared and provided to the Office  |              | .....   | \$400.00  |                                     |              |
| All other situations   |              | .....   | \$500.00  |                                     |              |
| TOTAL OF CALCULATIONS FOR 21, 22 and 23 =  |              |   |   | \$                                  |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |   |                                     |              |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) |   | Rate                                |              |
| - 100 =  | /50 =        |   |   | x \$250.00                          | \$           |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date [37 C.F.R. 1.492(e)].  |              |   |   | \$                                  | 130.00       |
| Claims   | Number Filed | Number Extra  | Rate  |                                     |              |
| Total Claims   | -- - 20 =    | --  | x \$ 50.00  | \$                                  |              |
| Independent Claims   | -- - 3 =     | --  | x \$200.00  | \$                                  |              |
| Multiple dependent claim(s) (if applicable)  |              |   | + \$360.00  | \$                                  |              |
| TOTAL OF ABOVE CALCULATIONS =  |              |   |   | \$                                  | 130.00       |
| Reduction by one-half for filing by small entity, if applicable. Small entity status under 37 C.F.R. §§1.9 and 1.27 is hereby claimed.   |              |   |   | \$                                  |              |
| SUBTOTAL =   |              |   |   | \$                                  | 130.00       |
| Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date [37 C.F.R. 1.492(f)].   |              |   |   | \$                                  |              |
| TOTAL NATIONAL FEE =   |              |   |   | \$                                  |              |
| Fee for recording the enclosed assignment [37 C.F.R. 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property   |              |   |   | \$                                  | 40.00        |
| TOTAL FEES ENCLOSED =  |              |   |   | \$                                  | 170.00       |
| 11/09/2006 LLANDGRA 00000008 10591905<br>01 FC: 617 130.00 OP  |              |   |   | Amount to be refunded               | \$           |
|  |              |   |   | Charged                             | \$           |
| a. <input checked="" type="checkbox"/> Check # _____ in the amount of \$ 170.00 to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. 01-2300 in the amount of \$ _____ to cover the above fee.<br>A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2300. |              |   |   |                                     |              |
| NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  |              |   |   |                                     |              |
| SEND ALL CORRESPONDENCE TO:<br>Customer No. 004372<br>Arent Fox PLLC<br>1050 Connecticut Avenue, N.W.<br>Suite 400<br>Washington, D.C. 20036-5339<br>Tel: (202) 857-6000 Fax: (202) 638-4810   |              |   | <br>Charles M. Marmelstein<br>Reg. No. 25,895 |                                     |              |
| CMM:cp   |              |   |   |                                     |              |